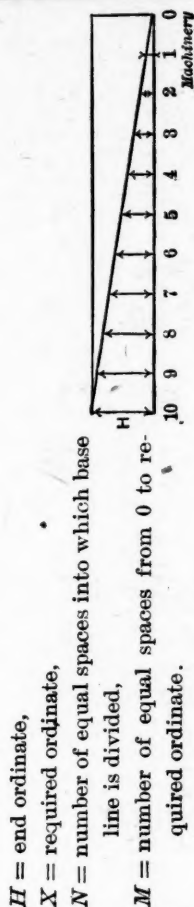


ORDINATES OF PARABOLAS FOR CRANE GIRDER DESIGN—III



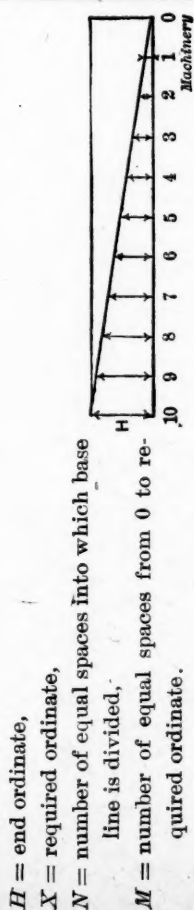
$$\text{Then } X = H \times \frac{M^2}{N^2}$$

Ordinates									
H	9	8	7	6	5	4	3	2	1
Ft. In.	Ft. In.	Ft. In.	Inches	Inches	Inches	Inches	Inches	Inches	Inches
1 6	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 6 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 6 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 6 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 7	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 7 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 7 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 8 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 8 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 9	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 9 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 9 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 10	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 10 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 10 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 11	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 11 4	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
1 11 8	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8
2 0	1 2 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8	3 3 8

Contributed by Charles B. Gilbert

No. 156, Data Sheet, MACHINERY, July, 1912

ORDINATES OF PARABOLAS FOR CRANE GIRDER DESIGN—IV



$$\text{Then } X = H \times \frac{M^2}{N^2}$$

Ordinates									
H	9	8	7	6	5	4	3	2	1
Ft. In.	Ft. In.	Ft. In.	Ft. In.	Inches	Inches	Inches	Inches	Inches	Inches
2 0	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 0 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 0 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 0 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 1	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 1 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 1 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 2	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 2 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 2 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 3	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 3 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 3 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 3 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 4 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 4 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 5	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 5 4	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 5 8	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8
2 6	1 7 7 6	1 3 3 8	1 1 1 3	8 1 8	6 1 8	4 3 8	2 7 8	1 5 8	3 3 8

Contributed by Charles B. Gilbert

No. 156 Data Sheet, MACHINERY, July, 1912